

# INTERNATIONAL SEARCH REPORT

International Application No  
PCT/CH2004/000046

A. CLASSIFICATION OF SUBJECT MATTER  
IPC 7 F25B40/00 F25B5/04 F25B41/06

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 F25B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 533 352 A (HERROON GREGORY P ET AL) 9 July 1996 (1996-07-09) column 3, line 11 - column 8, line 23; claims 1-30; figures 1-11	1,14-21
Y	figure 1	2-4,6,7, 12
X	US 6 293 123 B1 (IRITANI KUNIO ET AL) 25 September 2001 (2001-09-25) column 3, line 66 - column 15, line 15; figures 1-15	1,10,11, 14-21
X	US 6 446 450 B1 (PRESSLER KEVIN T) 10 September 2002 (2002-09-10) column 2, line 65 - column 5, line 15; figures 1,2	1,14-21

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☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

### \* Special categories of cited documents:

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Date of the actual completion of the international search

1 December 2004

Date of mailing of the international search report

24. 01. 2005

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2  
NL - 2200 HV Rijswijk  
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  
Fax: (+31-70) 340-3016

Authorized officer

Szilagyi, B

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	DE 24 51 361 A (JAKOB) 6 May 1976 (1976-05-06) Seite 3 - Seite 10; Abbildung -----	1,14-21
Y	EP 0 325 163 A (LINDE AG) 26 July 1989 (1989-07-26) Spalte 1, Zeile 51 - Spalte 2, Zeile 3; Anspruch 1; Abbildung -----	12
E	WO 2004/053406 A (BMS ENERGIETECHNIK AG ; MEISTER REMO (CH)) 24 June 2004 (2004-06-24) page 2 - page 8; figures 1-15 -----	1
Y	US 3 640 086 A (BRODY HERBERT M) 8 February 1972 (1972-02-08) column 1, line 18 - column 5, line 6; figures 1-4 -----	2
A	US 6 438 978 B1 (BESSLER WARREN FRANK) 27 August 2002 (2002-08-27) column 2, line 43 - column 13, line 41; figures 1-6 -----	3
Y	US 5 150 584 A (SCHMIDT ANNETTE M ET AL) 29 September 1992 (1992-09-29) column 2, line 7 - column 3, line 68; figures 1-4 -----	3,4
A	US 6 330 802 B1 (CUMMINGS ROBERT W ET AL) 18 December 2001 (2001-12-18) column 2, line 52 - column 5, line 54; figures 1,2 -----	3,4
A	EP 1 043 550 A (ZEXEL CORP) 11 October 2000 (2000-10-11) paragraph '0018! - paragraph '0043! -----	7
Y	WO 03/051657 A (PETTERSEN JOSTEIN ; NEKSAA PETTER (NO); AFLEKT KAARE (NO); HAFNER A) 26 June 2003 (2003-06-26) page 6 - page 23 -----	6,7

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